

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please cancel claims 23-25 without prejudice or disclaimer:

Please cancel claims 26-39 without prejudice or disclaimer:

Please amend claims 1, 3-5, 10, 12-15, 20-21:

1. (Amended) A liquid crystal display device having a transparent first substrate, a transparent second substrate, and a liquid crystal layer and a color filter layer sandwiched between the first and second substrates, comprising:

said color filter layer disposed on said first substrate;

said liquid crystal layer disposed between said color filter layer and said second substrate;

plural scan signal electrodes, video signal electrodes for crossing said scan signal electrodes in a matrix form and plural thin film transistors formed in association with the crossing points between said scan signal electrodes and said video signal electrodes provided on said first substrate below said color filter layer;

at least one pixel formed in each of areas surrounded by said plural scan signal electrodes and said video signal electrodes;

each pixel provided with a common electrode which is connected over plural pixels through a common electrode wire to supply reference potential, and a pixel electrode which is connected to the corresponding thin film transistor and disposed so as to confront said common electrode in said pixel area; and

said common electrode and said pixel electrode disposed between said

color filter layer and said liquid crystal layer;

wherein said common electrode and said pixel electrode are disposed in different layers through an interlayer separation film formed of a transparent insulating material, and

wherein electric field having a component which is dominantly parallel to said first substrate is produced in said liquid crystal layer by applying a voltage across said common electrode and said pixel electrode, [and]

wherein the liquid crystal before the voltage is applied thereto is oriented substantially in parallel to said first substrate; and

wherein a light shielding portion is formed above said thin film transistor.

3. (Twice Amended) [A] The liquid crystal display device as claimed in claim 1 [having a transparent first substrate, a transparent second substrate, and a liquid crystal layer and a color filter layer sandwiched between the first and second substrates, comprising:]

[said color filter layer disposed on said first substrate;]

[said liquid crystal layer disposed between said color filter layer and said second substrate;]

[plural scan signal electrodes, video signal electrodes for crossing said scan signal electrodes in a matrix form and plural thin film transistors formed in association with the crossing points between said scan signal electrodes and said video signal electrodes provided on said first substrate below said color filter layer;]

[at least one pixel formed in each of areas surrounded by said plural scan signal electrodes and said video signal electrodes;]

[each pixel provided with a common electrode which is connected over plural pixels through a common electrode wire to supply reference potential, and a pixel electrode which is connected to the corresponding thin film transistor and disposed so as to confront said common electrode in said pixel area; and]

[said common electrode and said pixel electrode disposed between said color filter layer and said liquid crystal layer;]

[wherein said common electrode and said pixel electrode are disposed in different layers through an interlayer separation film formed of a transparent insulating material,]

[wherein electric field having a component which is dominantly parallel to said first substrate is produced in said liquid crystal layer by applying a voltage across said common electrode and said pixel electrode, and]

[liquid crystal before the voltage is applied thereto is orientated substantially in parallel to said first substrate; and]

wherein said interlayer separation film is formed on said common electrode, and said pixel electrode is formed on said interlayer separation film.

4. (Twice Amended) The liquid crystal display device [as claimed in claim 1,] having a transparent first substrate, a transparent second substrate, and a liquid crystal layer and a color filter layer sandwiched between the first and second substrates, comprising:

said color filter layer disposed on said first substrate;

said liquid crystal layer disposed between said color filter layer and said second substrate;

plural scan signal electrodes, video signal electrodes for crossing said scan signal electrodes in a matrix form and plural thin film transistors formed in association with the crossing points between said scan signal electrodes and said video signal electrodes provided on said first substrate below said color filter layer;

at least one pixel formed in each of areas surrounded by said plural scan signal electrodes and said video signal electrodes;

each pixel provided with a common electrode which is connected over plural pixels through a common electrode wire to supply reference potential, and a pixel electrode which is connected to the corresponding thin film transistor and disposed so as to confront said common electrode in said pixel area; and

said common electrode and said pixel electrode disposed between said color filter layer and said liquid crystal layer;

wherein said common electrode and said pixel electrode are disposed in different layers through an interlayer separation film formed of a transparent insulating material, and

wherein electric field having a component which is dominantly parallel to said first substrate is produced in said liquid crystal layer by applying a voltage across said common electrode and said pixel electrode,

wherein the liquid crystal before the voltage is applied thereto is orientated substantially in parallel to said first substrate; and

wherein an overcoat layer for protecting said color filter layer is formed on said color filter layer, said interlayer separation film is formed on said common electrode and on said overcoat layer, and said pixel electrode is formed on said interlayer

separation film.

5. (Twice Amended) The liquid crystal display device [as claimed in claim 1], having a transparent first substrate, a transparent second substrate, and a liquid crystal layer and a color filter layer sandwiched between the first and second substrates, comprising:

said color filter layer disposed on said first substrate;

said liquid crystal layer disposed between said color filter layer and said second substrate;

plural scan signal electrodes, video signal electrodes for crossing said scan signal electrodes in a matrix form and plural thin film transistors formed in association with the crossing points between said scan signal electrodes and said video signal electrodes provided on said first substrate

at least one pixel formed in each of areas surrounded by said plural scan signal electrodes and said video signal electrodes;

each pixel provided with a common electrode which is connected over plural pixels through a common electrode wire to supply reference potential, and a pixel electrode which is connected to the corresponding thin film transistor and disposed so as to confront said common electrode in said pixel area; and

said common electrode and said pixel electrode disposed between said color filter layer and said liquid crystal layer;

wherein said common electrode and said pixel electrode are disposed in different layers through an interlayer separation film formed of a transparent insulating material, and

wherein electric field having a component which is dominantly parallel to said first substrate is produced in said liquid crystal layer by applying a voltage across said common electrode and said pixel electrode,

wherein the liquid crystal before the voltage is applied thereto is orientated substantially in parallel to said first substrate; and

wherein an overcoat layer for protecting said color filter layer is formed on said color filter layer, said interlayer separation film is formed on said pixel electrode and on said overcoat layer, and said common electrode is formed on said interlayer separation film [and said pixel electrode is formed on said overcoat layer].

10. (Amended) A liquid crystal display device having a first transparent substrate, a second transparent substrate, and a liquid crystal layer and a color filter layer sandwiched between the first and second substrates, comprising:

said color filter layer disposed on said first substrate;

said liquid crystal layer disposed between said color filter layer and said second substrate;

plural scan signal electrodes, video signal electrodes for crossing said scan signal electrodes in a matrix form and plural thin film transistors formed in association with the crossing points between said scan signal electrodes and said video signal electrodes provided on said first substrate below said color filter layer;

at least one pixel formed in each of areas surrounded by said plural scan signal electrodes and said video signal electrodes;

each pixel provided with a common electrode which is connected over

plural pixels through a common electrode wire to supply reference potential[;] , and a pixel electrode which is connected to the corresponding thin film transistor and disposed so as to confront said common electrode in said pixel area;

said common electrode and said pixel electrode disposed between said color filter layer and said liquid crystal layer;

wherein said common electrode and said pixel electrode are disposed in different layers through an interlayer separation film formed of a transparent insulating material;

wherein electric field having a component which is dominantly parallel to said first substrate is produced in said liquid crystal layer by applying a voltage across said common electrode and said pixel electrode, [and]

wherein the liquid crystal before the voltage is applied thereto is orientated substantially vertically to said first substrate; and

wherein a light shielding portion is formed above said thin film transistor.

13. (Twice Amended) The liquid crystal display device [as claimed in claim 10] having a first transparent substrate, a second transparent substrate, and a liquid crystal layer and a color filter layer sandwiched between the first and second substrates, comprising:

said color filter layer disposed on said first substrate;

said liquid crystal layer disposed between said color filter layer and said second substrate;

plural scan signal electrodes, video signal electrodes for crossing said scan signal electrodes in a matrix form and plural thin film transistors formed in association

with the crossing points between said scan signal electrodes and said video signal electrodes provided on said first substrate below said color filter layer;

at least one pixel formed in each of areas surrounded by said plural scan signal electrodes and said video signal electrodes;

each pixel provided with a common electrode which is connected over plural pixels through a common electrode wire to supply reference potential, and a pixel electrode which is connected to the corresponding thin film transistor and disposed so as to confront said common electrode in said pixel area,

said common electrode and said pixel electrode disposed between said color filter layer and said liquid crystal layer;

wherein said common electrode and said pixel electrode are disposed in different layers through an interlayer separation film formed of a transparent insulating material;

wherein electric field having a component which is dominantly parallel to said first substrate is produced in said liquid crystal layer by applying a voltage across said common electrode and said pixel electrode,

wherein the liquid crystal before the voltage is applied thereto is orientated substantially vertically to said first substrate, and

wherein an overcoat layer for protecting said color filter layer is formed on said color filter layer, said interlayer separation film is formed on said common electrode and on said overcoat layer, and said pixel electrode is formed on said interlayer separation film.

14. (Twice Amended) The liquid crystal display device [as claimed in claim 10] having a first transparent substrate, a second transparent substrate, and a liquid crystal layer and a color filter layer sandwiched between the first and second substrates, comprising:

said color filter layer disposed on said first substrate;

said liquid crystal layer disposed between said color filter layer and said second substrate;

plural scan signal electrodes, video signal electrodes for crossing said scan signal electrodes in a matrix form and plural thin film transistors formed in association with the crossing points between said scan signal electrodes and said video signal electrodes provided on said first substrate below said color filter layer;

at least one pixel formed in each of areas surrounded by said plural scan signal electrodes and said video signal electrodes;

each pixel provided with a common electrode which is connected over plural pixels through a common electrode wire to supply reference potential, and a pixel electrode which is connected to the corresponding thin film transistor and disposed so as to confront said common electrode in said pixel area,

said common electrode and said pixel electrode disposed between said color filter layer and said liquid crystal layer;

wherein said common electrode and said pixel electrode are disposed in different layers through an interlayer separation film formed of a transparent insulating material;

wherein electric field having a component which is dominantly parallel to said first substrate is produced in said liquid crystal layer by applying a voltage across

said common electrode and said pixel electrode,

wherein the liquid crystal before the voltage is applied thereto is orientated substantially vertically to said first substrate, and,

wherein an overcoat layer for protecting said color filter layer is formed on said color filter layer, said interlayer separation film is formed on said pixel electrode and on said overcoat layer, and said common electrode is formed on said interlayer separation film [and said pixel electrode is formed on said overcoat layer].